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1.0 Executive Summary

Schneider Electric Critical Power and Cooling Services (CPCS) Cooling Assembly Service is a key part of a complete deployment of air conditioning equipment in data centers, server rooms and wiring closets. This service provides the certified CPCS engineers needed to quickly and efficiently assemble your Cooling product. The result provides the customer with the assurance the Cooling System has been installed properly and to CPCS specifications.

2.0 Features & Benefits

| Features | Benefits |
|--|--|
| Service provided 5X8 or 7 X 24 | A flexible service program to meet customers varying business operations requirements. |
| Provide qualified and approved service personnel | Assembly time is minimized when utilizing trained and qualified personnel. |
| Scheduling and delivery coordination | Avoidance of possible delays caused by scheduling and delivery conflicts. |
| Removal of packaging materials to a customer designated onsite disposal area | Frees customer resources from disposal of trash material allowing them to utilize the space for their core operations in a timely fashion. |
| Customer specific site documentation | Provides the customer a record of service date, scope and personnel that can be retained for future reference. |

3.0 Details of Service

The specific features and deliverables of this service are listed below. For each service item listed below, a single printed document summarizing all the data recorded will be provided.

| Site Environment | |
|----------------------------|---|
| Activities | Description |
| Environmental Requirements | CPCS will check that the site environment is suitable for the installation of the InfraStruXure System(s) and record the actual ambient conditions |
| Equipment Inspection | CPCS will ascertain if the equipment was properly handled and unpacked, and will inspect for signs of damaged or missing hardware prior to assembly |

| Site Environment | |
|--------------------------|---|
| Activities | Description |
| Design Conformance | CPCS will check that the cooling equipment position conforms to the floor layout specifications and to the manufacturer's guidelines to achieve proper performance. |
| Documentation | CPCS will document the discovery of issues which may inhibit the successful deployment and operation of the cooling equipment |
| Product Specific Details | |
| Product | Activity Description |
| ACDA901 | Inside equipment delivery is performed by others. |
| | The floor must be engineered to support the operating weight of the equipment. |
| | Assembly service does not include attachment of hardware to the building structure. |
| | Location of the RDU must not exceed the limitations of the maximum refrigerant piping length. |
| | Location of the RDU must allow for adequate service and height clearances. |
| | If placed within a row, the RDU can only be placed at the end of a row. |
| | Assembly service does not include installation or connection of external piping for fluid or refrigerant. |
| ACOA500/501 | Input power wiring supplied by others when hard wired to equipment, or located within 1.2 m (4 ft) of equipment receptacle when using supplied power cords. |
| | Inside equipment delivery is performed by others. |
| | The ACOA will only be installed in an approved mounting frame and must be able to support the operating weight of the equipment. |
| | Location of the ACOA must not exceed the limitations of the maximum refrigerant piping length. |
| | Assembly service does not include installation or connection of external piping for refrigerant. |
| | Input power wiring connection must be located within 1.2 m (4 ft) of equipment receptacle and must allow for connection of supplied power cords. |

| Product Specific Details | |
|--|---|
| Product | Activity Description |
| ACAC11000 with (1) ACAC11002 or with (1) ACAC11007 | Inside equipment delivery is performed by others. |
| | A minimum of 1067 mm (42 in) open space is available above the highest point of the rows of racks. |
| | The maximum distance between the centerline of the InRow OA mount kit and the equipment is 610 mm (24 in). |
| | Attachment of rack mount kit to APC SX/VX racks only. |
| ACAC21002 ACAC21004 | Inside equipment delivery is performed by others. |
| | Must attach to an approved InRow OA Mounting Kit using the ACAC1005 Pipe Clamp Kit. |
| | Schneider CPCS will install the refrigerant piping supplied with the ACOA when installing the ACAC21002 or ACAC21004. |
| | Assembly service does not include brazing or insulating of refrigerant piping. |

4.0 Assumptions

The successful performance of the tasks defined in the Statement of Work (SOW) is based on the following key assumptions, which are agreed to by CPCS.

- The scheduled on site work time will be discussed and approved between CPCS and the customer.
- CPCS will provide the customer with authorized service personnel to assemble the Cooling System.
- The customer will receive an Assembly Task Completion Checklist that will verify the Cooling System is assembled according to CPCS standards and specifications.
- Non-standard products purchased through CPCS will require a customized Statement of Work (SOW).

The following items are **outside the scope** of this standard service offering. Assembly of the following items can be integrated into a customized Statement of Work (SOW) at the customer's request. Please contact your certified CPCS sales representative for more details.

Equipment not provided by APC by Schneider Electric. Examples include but are not limited to:

- Third party components.
- Field supplied wiring or components used for main input power, control of remote cooling equipment or heat exchangers, external shut down control, building management systems, fire suppression systems, or Emergency Power Off switch
- Field supplied piping and valves used for refrigeration, chilled water loop, condenser water loop, local water supply, or waste water drainage.
- Insulation, clamps, or supports required for field installed piping.
- Information Technology (IT) Equipment.

Installation activities not provided by CPCS as part of this service include but are not limited to:

- Information Technology (IT) Equipment migration services.
- Customer Interface wiring used for Remote Shut down/ Alarm Notification.
- Rigging, Mounting, Wiring or Piping of the cooling equipment.
- Modifications to any part of the building structure to allow for equipment installation.
- Building Management System integration.
- Specialized testing or commissioning services. Air or water flow balancing.
- Raised access floor tile modifications or cutting.
- Attachment of brackets or hardware to any part of the building structure.
- Installation of third party equipment.

5.0 Scope of Responsibility

The items stated here are responsibilities to and from both CPCS and customer.

5.1 CPCS RESPONSIBILITIES

- Schedule qualified and approved resources to perform service.
- Assemble equipment to manufacturer and customer's floor layout specifications as confirmed during the site coordination visits.
- That CPCS and/or customer open issues are documented.

5.2 CUSTOMER RESPONSIBILITIES

- Identify dates and times when the Assembly Service can be provided.
- Provide a named resource for the scheduling of service and delivery of the equipment.
- Notify CPCS of any security clearance requirements prior to arrival on site.
- Provide a point of contact during time of service.
- Provide a point of contact at the completion of service to sign off on completed work.
- Provide the name of the project manager (if applicable).

6.0 Project Work Details

The information stated here are the details of the installation project performed by CPCS for the customer with specifications on schedule, location and successful completion criteria.

6.1 SCHEDULE

Actual set dates will be discussed and approved between CPCS and the customer.

6.2 LOCATION

The location of this InfraStruXure Assembly Service will be on-site. It will be discussed and approved by CPCS and the customer.

6.3 COMPLETION CRITERIA

CPCS is expected to have finished its written duties when any of the following occurs:
CPCS completes all the tasks described in Section 3.0 of this Statement of Work (SOW).
This service and SOW are terminated for other reasons, within the CPCS Customer Agreement.

7.0 Pricing

Pricing is available for standard APC and MGE Model numbers and standard scope of work.
Engineer to order products and deviations from the standard scope of work will be quoted on a per project basis. Contact Sales for prices.

8.0 Terms and Conditions

APC standard Terms and Conditions apply.

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